

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2004/001702

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23K26/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 199 03 436 A (FRAUNHOFER GES FORSCHUNG) 24 August 2000 (2000-08-24) the whole document	1
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02, 26 February 1999 (1999-02-26) & JP 10 296470 A (NISSAN MOTOR CO LTD), 10 November 1998 (1998-11-10) abstract	1
X	US 5 233 150 A (BRAUN OLIVIER ET AL) 3 August 1993 (1993-08-03) column 2, line 59 - line 63; figures 1-9	1
A	DE 195 47 903 C (MOTOREN TURBINEN UNION) 20 March 1997 (1997-03-20) cited in the application the whole document	1-3,5

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

16 December 2004

Date of mailing of the international search report

08.04.2005

Name and mailing address of the ISA

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/ DE2004/ 001702

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

**see the Supplemental Sheet**

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-10

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely

**1. Claims 1-10**

method of fabricating and/or repairing components by means of laser powder cladding using a base body that is at least in sections enclosed by the deposition welded powder material.

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**2. Claims 11, 12**

method of fabricating and/or repairing components by means of laser powder cladding using different powder materials.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2004/001702

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19903436	A	24-08-2000	DE 19903436 A1	24-08-2000
JP 10296470	A	10-11-1998	NONE	
US 5233150	A	03-08-1993	AT 169850 T	15-09-1998
			EP 0496181 A1	29-07-1992
			ES 2120414 T3	01-11-1998
			JP 4336304 A	24-11-1992
			NO 920259 A	22-07-1992
			US RE35756 E	31-03-1998
DE 19547903	C	20-03-1997	DE 19547903 C1	20-03-1997
			FR 2742688 A1	27-06-1997
			GB 2308321 A ,B	25-06-1997
			US 5701669 A	30-12-1997